

## NEW AND INTERESTING ADDITIONS TO THE FLORA OF NOVA SCOTIA

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During the summer of 1979, a complete inventory was made of the A. E. Roland Herbarium, Nova Scotia Agricultural College (NSAC). Herbarium specimens of species were found which were new to the province, having been collected since the publishing of *The Flora of Nova Scotia* (Roland & Smith, 1969). Range extensions and new records of species already known were also noted.

### SPECIES NEW TO NOVA SCOTIA

**Trifolium medium** L.—A.E. Roland, July 14, 1970; field at Durham, Pictou County. This species is naturalized from Europe and its previous distribution was “local, eastern Quebec to N.B. and Mass.” (Fernald, 1970).

**Collinsia parviflora** Dougl.—A.E. Roland, June 26, 1970; Weed in strawberry field, Sydney River, Cape Breton County. Its natural distribution is given by Gleason (1952) as “Alaska to California, E. to Man. and S.D., Keweenaw Pt., Mich.” He also notes that it is known from S. Ont. and Vt. where it may be introduced. The Nova Scotia collection is also an introduction and perhaps it will not persist.

**Carduus nutans** L.—R.K. Prange and S.G. Williams, July 20, 1978; abundant on roadside, North of Londonderry, Colchester County. Although Fernald (1970) gives its range as including Nova Scotia, Roland and Smith (1969) reported it as rare to scattered in east central N.B. and that no specimens had been collected in N.S. This is a persistent weed in other areas of Canada and will probably spread along roadsides much as *C. crispus* L. has spread through Cumberland Co. from its introduction at the Port of Pugwash.

### RANGE EXTENSIONS AND NEW RECORDS

**Cornus stolonifera** Michx.—R.K. Prange, June 26, 1978; woods beside stream flowing into north end of Wentzell's Lake, near Bridgewater, Lunenburg Co. This collection is noteworthy because it is the first recorded station in the southwestern and Atlantic

areas of the province which generally do not have the rich, alkaline soils that it prefers.

**Vicia sepium** L.—R.K. Prange, August 30, 1977; along a hedgerow, Great Village, Colchester County. The first and only previous collection was from the border of a field, Annapolis Royal, Annapolis Co. (Fernald, 1922).

**Dirca palustris** L.—A.E. Roland, October 5, 1971 and May 26, 1972; common in mixed hardwoods, hillside along brook, Milford, Hants County. Previous to this the species was only known from a single sterile bush near the St. Croix River, Newport, Hants Co. (Roland & Smith, 1969).

**Polygonum Bistorta** L.—C.L. Rafuse, June 9, 1979; along a stream running through the railway yard in Truro. This plant is an adventive from Europe and known only from E. Mass. and in Canada from two clumps in a field in Victoria Park, Truro, Colchester Co. (Fernald, 1922). Due to the lack of collections since then, Roland and Smith (1969) considered it doubtfully present and probably only a temporary escape from cultivation. Obviously it has persisted but has not spread very far.

**Lepidium ruderae** L.—K.S. Silver, May 24, 1979; from a wet field, Starr's Point, Kings County. Roland and Smith (1969) noted that this "is a rare plant and old collections have been seen from Windsor, Pictou and Sydney".

#### LITERATURE CITED

- FERNALD, M.L. 1922. Notes on the flora of western Nova Scotia, 1921. *Rhodora* **24**: 157-164, 165-180, 201-208.
- FERNALD, M.L. 1970. *Gray's Manual of Botany*. 8th ed., corrected printing. Van Nostrand Reinhold Company, Toronto.
- GLEASON, H. 1952. *The New Britton and Brown Illustrated Flora*. 3 vols. Lancaster Press, Lancaster, PA.
- ROLAND, A.E. & E.C. SMITH. 1969. *The Flora of Nova Scotia*. Nova Scotia Museum, Halifax, N.S.

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